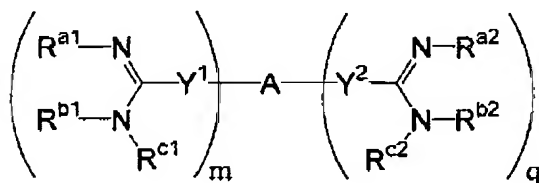


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 Preliminary Amendment  
 Filed February 09, 2004

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### Listing of Claims:

1. **(original)** A method of treating or preventing an amyloid-related disease in a subject comprising administering to said subject a therapeutic amount of an amidine compound.
2. **(cancelled).**
3. **(original)** The method according to claim 1, wherein said compound is a bis(amidine) compound.
4. **(original)** The method according to claim 1, wherein said compound is a bis(benzamidine) compound.
5. **(currently amended)** The method according to claim 1, wherein said compound is selected according to the following Formula, ~~such that amyloid fibril formation or deposition, neurodegeneration, or cellular toxicity is reduced or inhibited:~~



(Formula X)

wherein each  $R^{a1}$ ,  $R^{b1}$ ,  $R^{c1}$ ,  $R^{a2}$ ,  $R^{b2}$ , and  $R^{c2}$  is independently a hydrogen, a Z group, or  $R^{a1}$  and  $R^{b1}$  or  $R^{a2}$  and  $R^{b2}$  are both taken together along with the nitrogen atoms to which they are bound to form a ring structure;

each of  $Y^1$  and  $Y^2$  is independently a direct bond or a linking moiety;

m and q are each independently an integer selected from zero to five inclusive, such that  $2 \leq m+q \leq 5$ ; and

A is a carrier moiety selected from substituted or unsubstituted aliphatic and aromatic groups, and combinations thereof; such that the  $Y^1$  and  $Y^2$  moieties are bonded to an aromatic group;

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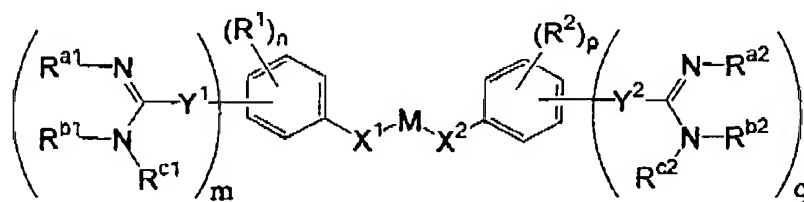
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Z is a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(CR'R'')_{0-3}H$ ,  $(CR'R'')_{0-10}OH$ ,  $(CR'R'')_{0-10}COR'$ ,  $(CR'R'')_{0-10}(\text{substituted or unsubstituted phenyl})$ ,  $(CR'R'')_{0-10}(C_3-C_8 \text{ cycloalkyl})$ ,  $(CR'R'')_{0-10}CO_2R'$ , or  $(CR'R'')_{0-10}OR'$  group, or the side chain of any naturally occurring amino acid;

R' and R'' are each independently hydrogen, a  $C_1-C_5$  alkyl,  $C_2-C_5$  alkenyl,  $C_2-C_5$  alkynyl, or aryl group, or R' and R'' taken together are a benzylidene group or a  $-(CH_2)_2O(CH_2)_2-$  group;

and pharmaceutically acceptable salts thereof.

6. **(currently amended)** The method according to claim 1, wherein said compound is selected according to the following Formula, ~~such that amyloid fibril formation or deposition, neurodegeneration, or cellular toxicity is reduced or inhibited:~~



(Formula I)

wherein each  $R^{a1}$ ,  $R^{b1}$ ,  $R^{c1}$ ,  $R^{a2}$ ,  $R^{b2}$ , and  $R^{c2}$  is independently a hydrogen, a Z group, or  $R^{a1}$  and  $R^{b1}$  or  $R^{a2}$  and  $R^{b2}$  are both taken together along with the nitrogen atoms to which they are bound to form a ring structure;

each of  $Y^1$  and  $Y^2$  is independently a direct bond or a linking moiety;

each of  $R^1$  and  $R^2$  is independently a hydrogen or a Z group, or two adjacent or proximate  $R^1$

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or  $R^2$  groups taken together with the ring to which they are bound form a fused aromatic, heteroaromatic, cycloalkyl, or heterocyclic structure;

each of  $X^1$  and  $X^2$  is independently an alkylene group, an oxygen, a  $NR'$  group (where  $R'$  is hydrogen, a  $C_1$ - $C_5$  alkyl,  $C_2$ - $C_5$  alkenyl,  $C_2$ - $C_5$  alkynyl, or aryl group), a sulfonamide group, a carbonyl, amide,  $C_1$ - $C_5$  alkylene group,  $C_2$ - $C_5$  alkenyl group,  $C_2$ - $C_5$  alkynyl group, or a sulfur atom, or combinations thereof or a direct bond;

M is an alkylene group, an alkenylene group, an alkynylene group, an alkoxyalkylene group, an alkylaminoalkylene group, a thioalkoxyalkylene group, an arylenedialkylene group, an alkylenediarylene group, a heteroarylenedialkylene group, an arylene group, a heteroarylene group, an oligoetheral or oligo(alkyleneoxide) group, or an arylene-di(oligoalkyleneoxide) group, each of which may be substituted or unsubstituted;

Z is a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(CR'R'')_{0-3}H$ ,  $(CR'R'')_{0-10}OH$ ,  $(CR'R'')_{0-10}COR'$ ,  $(CR'R'')_{0-10}(\text{substituted or unsubstituted phenyl})$ ,  $(CR'R'')_{0-10}(C_3-C_8 \text{ cycloalkyl})$ ,  $(CR'R'')_{0-10}CO_2R'$ , or  $(CR'R'')_{0-10}OR'$  group, or the side chain of any naturally occurring amino acid;

$R'$  and  $R''$  are each independently hydrogen, a  $C_1$ - $C_5$  alkyl,  $C_2$ - $C_5$  alkenyl,  $C_2$ - $C_5$  alkynyl, or aryl group, or  $R'$  and  $R''$  taken together are a benzylidene group or a  $-(CH_2)_2O(CH_2)_2-$  group;

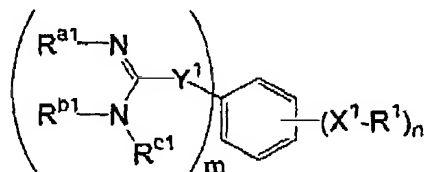
m and q are each independently an integer selected from zero to four inclusive, and n and p are each independently an integer selected from zero to four inclusive, such that  $m+n=5$  and  $p+q=5$ , wherein either m or q is at least one;

and pharmaceutically acceptable salts thereof.

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7. (currently amended) The method according to claim 1, wherein said compound is selected according to the following Formula, ~~such that amyloid fibril formation or deposition, neurodegeneration, or cellular toxicity is reduced or inhibited:~~



(Formula II)

wherein each  $R^{a1}$ ,  $R^{b1}$ ,  $R^{c1}$ ,  $R^{a2}$ ,  $R^{b2}$ , and  $R^{c2}$  is independently a hydrogen, a Z group other than a substituted aryl group or a substituted alkyl group, or  $R^{a1}$  and  $R^{b1}$  or  $R^{a2}$  and  $R^{b2}$  are both taken together along with the nitrogen atoms to which they are bound to form a ring structure;

$Y^1$  is a direct bond or a linking moiety;

$R^1$  is a hydrogen or a Z group, or two adjacent or proximate  $R^1$  groups taken together with the corresponding  $X^1$  groups and the ring to which they are bound form a fused aromatic, heteroaromatic, cycloalkyl, or heterocyclic structure;

$X^1$  is an alkylene group, an oxygen, a  $NR'$  group (where  $R'$  is hydrogen, a  $C_1$ - $C_5$  alkyl,  $C_2$ - $C_5$  alkenyl,  $C_2$ - $C_5$  alkynyl, or aryl group), a sulfonamide group, a carbonyl, amide,  $C_1$ - $C_5$  alkylene group,  $C_2$ - $C_5$  alkenyl group,  $C_2$ - $C_5$  alkynyl group, or a sulfur atom, or combinations thereof or a direct bond;

Z is a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,

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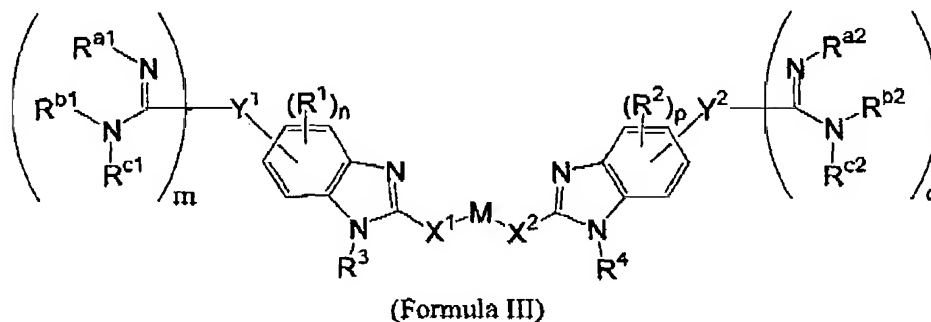
$(\text{CR}'\text{R}'')_{0-10}\text{O}(\text{CR}'\text{R}'')_{0-10}\text{H}$ ,  $(\text{CR}'\text{R}'')_{0-10}\text{S}(\text{CR}'\text{R}'')_{0-3}\text{H}$ ,  $(\text{CR}'\text{R}'')_{0-10}\text{OH}$ ,  $(\text{CR}'\text{R}'')_{0-10}\text{COR}'$ ,  $(\text{CR}'\text{R}'')_{0-10}$ (substituted or unsubstituted phenyl),  $(\text{CR}'\text{R}'')_{0-10}(\text{C}_3\text{-C}_8 \text{ cycloalkyl})$ ,  $(\text{CR}'\text{R}'')_{0-10}\text{CO}_2\text{R}'$ , or  $(\text{CR}'\text{R}'')_{0-10}\text{OR}'$  group, or the side chain of any naturally occurring amino acid;

$\text{R}'$  and  $\text{R}''$  are each independently hydrogen, a  $\text{C}_1\text{-C}_5$  alkyl,  $\text{C}_2\text{-C}_5$  alkenyl,  $\text{C}_2\text{-C}_5$  alkynyl, or aryl group, or  $\text{R}'$  and  $\text{R}''$  taken together are a benzylidene group or a  $-(\text{CH}_2)_2\text{O}(\text{CH}_2)_2-$  group;

$m$  is an integer selected from one to six inclusive, and  $n$  is an integer selected from zero to five inclusive, such that  $m+n=6$ ;

and pharmaceutically acceptable salts thereof.

8. **(currently amended)** The method according to claim 1, wherein said therapeutic compound is selected according to the following Formula, ~~such that amyloid fibril formation or deposition, neurodegeneration, or cellular toxicity is reduced or inhibited:~~



wherein each  $\text{R}^{\text{a}1}$ ,  $\text{R}^{\text{b}1}$ ,  $\text{R}^{\text{c}1}$ ,  $\text{R}^{\text{a}2}$ ,  $\text{R}^{\text{b}2}$ , and  $\text{R}^{\text{c}2}$  is independently a hydrogen, a Z group, or  $\text{R}^{\text{a}1}$  and  $\text{R}^{\text{b}1}$  or  $\text{R}^{\text{a}2}$  and  $\text{R}^{\text{b}2}$  are both taken together along with the nitrogen atoms to which they are bound to form a ring structure;

each of  $\text{Y}^1$  and  $\text{Y}^2$  is independently a direct bond or a linking moiety;

each of  $\text{R}^1$  and  $\text{R}^2$  is independently a hydrogen or a Z group, or two adjacent or proximate  $\text{R}^1$  or  $\text{R}^2$  groups taken together with the ring to which they are bound form a fused aromatic, heteroaromatic, cycloalkyl, or heterocyclic structure;

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each of  $R^3$  and  $R^4$  is independently selected from the group consisting of hydrogen, substituted or unsubstituted straight or branched alkyl, cycloalkyl, carbocyclic, aryl, heterocyclic, and heteroaryl;

each of  $X^1$  and  $X^2$  is independently an alkylene group, an oxygen, a  $NR'$  group (where  $R'$  is hydrogen, a  $C_1$ - $C_5$  alkyl,  $C_2$ - $C_5$  alkenyl,  $C_2$ - $C_5$  alkynyl, or aryl group), a sulfonamide group, a carbonyl, amide,  $C_1$ - $C_5$  alkylene group,  $C_2$ - $C_5$  alkenyl group,  $C_2$ - $C_5$  alkynyl group, or a sulfur atom, or combinations thereof or a direct bond;

$M$  is an alkylene group, an alkenylene group, an alkynylene group, an alkoxyalkylene group, an alkylaminoalkylene group, a thioalkoxyalkylene group, an arylenedialkylene group, an alkylenediarylene group, a heteroarylenedialkylene group, an arylene group, a heteroarylene group, an oligoetheral or oligo(alkyleneoxide) group, or an arylene-di(oligoalkyleneoxide) group, each of which may be substituted or unsubstituted;

$Z$  is a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(CR'R'')_{0-3}H$ ,  $(CR'R'')_{0-10}OH$ ,  $(CR'R'')_{0-10}COR'$ ,  $(CR'R'')_{0-10}(\text{substituted or unsubstituted phenyl})$ ,  $(CR'R'')_{0-10}(C_3-C_8 \text{ cycloalkyl})$ ,  $(CR'R'')_{0-10}CO_2R'$ , or  $(CR'R'')_{0-10}OR'$  group, or the side chain of any naturally occurring amino acid;

$R'$  and  $R''$  are each independently hydrogen, a  $C_1$ - $C_5$  alkyl,  $C_2$ - $C_5$  alkenyl,  $C_2$ - $C_5$  alkynyl, or aryl group, or  $R'$  and  $R''$  taken together are a benzylidene group or a  $-(CH_2)_2O(CH_2)_2-$  group;

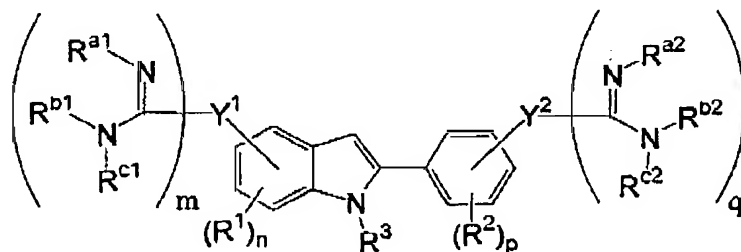
$m$ ,  $n$ ,  $p$ , and  $q$  are each independently an integer selected from zero to three inclusive,  $m+n \leq 4$ ,  $p+q \leq 4$ , and  $m+q \geq 1$ ;

and pharmaceutically acceptable salts thereof.

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9. **(currently amended)** The method according to claim 1, wherein said compound is selected according to the following Formula, ~~such that amyloid fibril formation or deposition, neurodegeneration, or cellular toxicity is reduced or inhibited:~~



(Formula IV)

wherein each  $R^{a1}$ ,  $R^{b1}$ ,  $R^{c1}$ ,  $R^{a2}$ ,  $R^{b2}$ , and  $R^{c2}$  is independently a hydrogen, a Z group, or  $R^{a1}$  and  $R^{b1}$  or  $R^{a2}$  and  $R^{b2}$  are both taken together along with the nitrogen atoms to which they are bound to form a ring structure;

each of  $Y^1$  and  $Y^2$  is independently a direct bond or a linking moiety;

each of  $R^1$  and  $R^2$  is independently a hydrogen or a Z group, or two adjacent or proximate  $R^1$  or  $R^2$  groups taken together with the ring to which they are bound form a fused aromatic, heteroaromatic, cycloalkyl, or heterocyclic structure;

$R^3$  is selected from the group consisting of hydrogen, substituted or unsubstituted straight or branched alkyl, cycloalkyl, carbocyclic, aryl, heterocyclic, and heteroaryl;

Z is a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(CR'R'')_{0-3}H$ ,  $(CR'R'')_{0-10}OH$ ,  $(CR'R'')_{0-10}COR'$ ,  $(CR'R'')_{0-10}(\text{substituted or unsubstituted phenyl})$ ,  $(CR'R'')_{0-10}(C_3-C_8 \text{ cycloalkyl})$ ,

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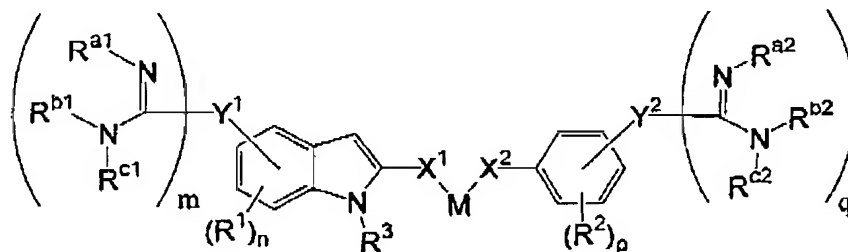
$(CR'R'')_{0-10}CO_2R'$ , or  $(CR'R'')_{0-10}OR'$  group, or the side chain of any naturally occurring amino acid;

$R'$  and  $R''$  are each independently hydrogen, a  $C_1-C_5$  alkyl,  $C_2-C_5$  alkenyl,  $C_2-C_5$  alkynyl, or aryl group, or  $R'$  and  $R''$  taken together are a benzylidene group or a  $-(CH_2)_2O(CH_2)_2-$  group;

$m$  and  $n$  are each independently an integer selected from zero to three inclusive,  $p$  and  $q$  are each independently an integer selected from zero to four inclusive,  $m+n \leq 4$ ,  $p+q \leq 5$ , and  $m+q \geq 1$ ;

and pharmaceutically acceptable salts thereof.

10. **(currently amended)** The method according to claim 1, wherein said compound is selected according to the following Formula, ~~such that amyloid fibril formation or deposition, neurodegeneration, or cellular toxicity is reduced or inhibited:~~



(Formula IVb)

wherein each  $R^{a1}$ ,  $R^{b1}$ ,  $R^{c1}$ ,  $R^{a2}$ ,  $R^{b2}$ , and  $R^{c2}$  is independently a hydrogen, a Z group, or  $R^{a1}$  and  $R^{b1}$  or  $R^{a2}$  and  $R^{b2}$  are both taken together along with the nitrogen atoms to which they are bound to form a ring structure;

each of  $Y^1$  and  $Y^2$  is independently a direct bond or a linking moiety;

each of  $R^1$  and  $R^2$  is independently a hydrogen or a Z group, or two adjacent or proximate  $R^1$  or  $R^2$  groups taken together with the ring to which they are bound form a fused aromatic, heteroaromatic, cycloalkyl, or heterocyclic structure;

$R^3$  is selected from the group consisting of hydrogen, substituted or unsubstituted straight or



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branched alkyl, cycloalkyl, carbocyclic, aryl, heterocyclic, and heteroaryl;

each of  $X^1$  and  $X^2$  is independently an alkylene group, an oxygen, a  $NR'$  group (where  $R'$  is hydrogen, a  $C_1$ - $C_5$  alkyl,  $C_2$ - $C_5$  alkenyl,  $C_2$ - $C_5$  alkynyl, or aryl group), a sulfonamide group, a carbonyl, amide,  $C_1$ - $C_5$  alkylene group,  $C_2$ - $C_5$  alkenyl group,  $C_2$ - $C_5$  alkynyl group, or a sulfur atom, or combinations thereof or a direct bond;

$M$  is an alkylene group, an alkenylene group, an alkynylene group, an alkoxyalkylene group, an alkylaminoalkylene group, a thioalkoxyalkylene group, an arylenedialkylene group, an alkylenediarylene group, a heteroarylenedialkylene group, an arylene group, a heteroarylene group, an oligoetheral or oligo(alkyleneoxide) group, or an arylene-di(oligoalkyleneoxide) group, each of which may be substituted or unsubstituted;

$Z$  is a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(CR'R'')_{0-3}H$ ,  $(CR'R'')_{0-10}OH$ ,  $(CR'R'')_{0-10}COR'$ ,  $(CR'R'')_{0-10}(\text{substituted or unsubstituted phenyl})$ ,  $(CR'R'')_{0-10}(C_3-C_8 \text{ cycloalkyl})$ ,  $(CR'R'')_{0-10}CO_2R'$ , or  $(CR'R'')_{0-10}OR'$  group, or the side chain of any naturally occurring amino acid;

$R'$  and  $R''$  are each independently hydrogen, a  $C_1$ - $C_5$  alkyl,  $C_2$ - $C_5$  alkenyl,  $C_2$ - $C_5$  alkynyl, or aryl group, or  $R'$  and  $R''$  taken together are a benzylidene group or a  $-(CH_2)_2O(CH_2)_2-$  group;

$m$  and  $n$  are each independently an integer selected from zero to three inclusive,  $p$  and  $q$  are each independently an integer selected from zero to four inclusive,  $m+n \leq 4$ ,  $p+q \leq 5$ , and  $m+q \geq 1$ ;

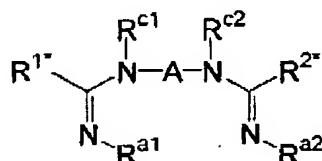
and pharmaceutically acceptable salts thereof.

11. **(currently amended)** The method according to claim 1, wherein said compound is selected according to the following Formula, ~~such that amyloid fibril formation or deposition,~~

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~~neurodegeneration, or cellular toxicity is reduced or inhibited:~~



(Formula V)

wherein each  $R^{a1}$ ,  $R^{b1}$ ,  $R^{c1}$ ,  $R^{a2}$ ,  $R^{b2}$ , and  $R^{c2}$  is independently a hydrogen, a Z group, or  $R^{a1}$  and  $R^{b1}$  or  $R^{a2}$  and  $R^{b2}$  are both taken together along with the nitrogen atoms to which they are bound to form a ring structure;

A is a carrier moiety selected from substituted or unsubstituted aliphatic and aromatic groups, and combinations thereof; such that the  $Y^1$  and  $Y^2$  moieties are bonded to an aromatic group;

Z is a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(CR'R'')_{0-3}H$ ,  $(CR'R'')_{0-10}OH$ ,  $(CR'R'')_{0-10}COR'$ ,  $(CR'R'')_{0-10}(\text{substituted or unsubstituted phenyl})$ ,  $(CR'R'')_{0-10}(C_3-C_8 \text{ cycloalkyl})$ ,  $(CR'R'')_{0-10}CO_2R'$ , or  $(CR'R'')_{0-10}OR'$  group, or the side chain of any naturally occurring amino acid;

$R'$  and  $R''$  are each independently hydrogen, a  $C_1-C_5$  alkyl,  $C_2-C_5$  alkenyl,  $C_2-C_5$  alkynyl, or aryl group, or  $R'$  and  $R''$  taken together are a benzylidene group or a  $-(CH_2)_2O(CH_2)_2-$  group;

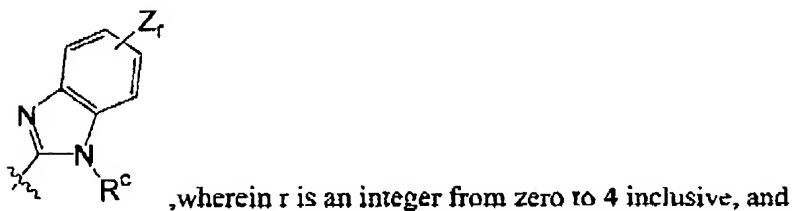
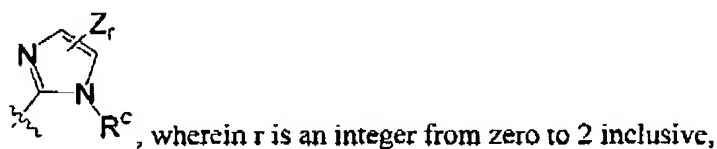
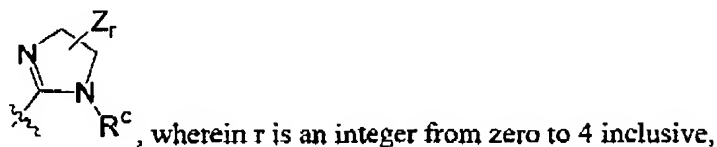
and pharmaceutically acceptable salts thereof.

12. **(currently amended)** The method according to claim 1, wherein said amyloid-related disease is ~~an A $\beta$  amyloid-related disease~~ associated with amyloid- $\beta$ .

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13. **(original)** The method according to claim 1, wherein said amyloid-related disease is Alzheimer's disease, cerebral amyloid angiopathy, Down's syndrome, or inclusion body myositis.
14. **(original)** The method according to claim 1, wherein said amyloid-related disease is type II diabetes.
15. **(original)** The method according to claim 1, where said subject is a human.
16. **(currently amended)** The method according to claim 5, wherein said ring structure is selected from the following:



Z and R<sup>c</sup> are as defined in claim 5 are each independently a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidovl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or hetero ryl

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group, (CR'R'')<sub>0-10</sub>NR'R'', (CR'R'')<sub>0-10</sub>CN, NO<sub>2</sub>, halogen, (CR'R'')<sub>0-10</sub>C(halogen)<sub>3</sub>, (CR'R'')<sub>0-10</sub>CH(halogen)<sub>2</sub>, (CR'R'')<sub>0-10</sub>CH<sub>2</sub>(halogen), (CR'R'')<sub>0-10</sub>CONR'R'', (CR'R'')<sub>0-10</sub>(CNH)NR'R'', (CR'R'')<sub>0-10</sub>S(O)<sub>1-2</sub>NR'R'', (CR'R'')<sub>0-10</sub>CHO, (CR'R'')<sub>0-10</sub>O(CR'R'')<sub>0-10</sub>H, (CR'R'')<sub>0-10</sub>S(O)<sub>0-3</sub>R', (CR'R'')<sub>0-10</sub>O(CR'R'')<sub>0-10</sub>H, (CR'R'')<sub>0-10</sub>S(CR'R'')<sub>0-3</sub>H, (CR'R'')<sub>0-10</sub>OH, (CR'R'')<sub>0-10</sub>COR', (CR'R'')<sub>0-10</sub>(substituted or unsubstituted phenyl), (CR'R'')<sub>0-10</sub>(C<sub>1</sub>-C<sub>8</sub> cycloalkyl), (CR'R'')<sub>0-10</sub>CO<sub>2</sub>R', or (CR'R'')<sub>0-10</sub>OR' group, or the side chain of any naturally occurring amino acid; and

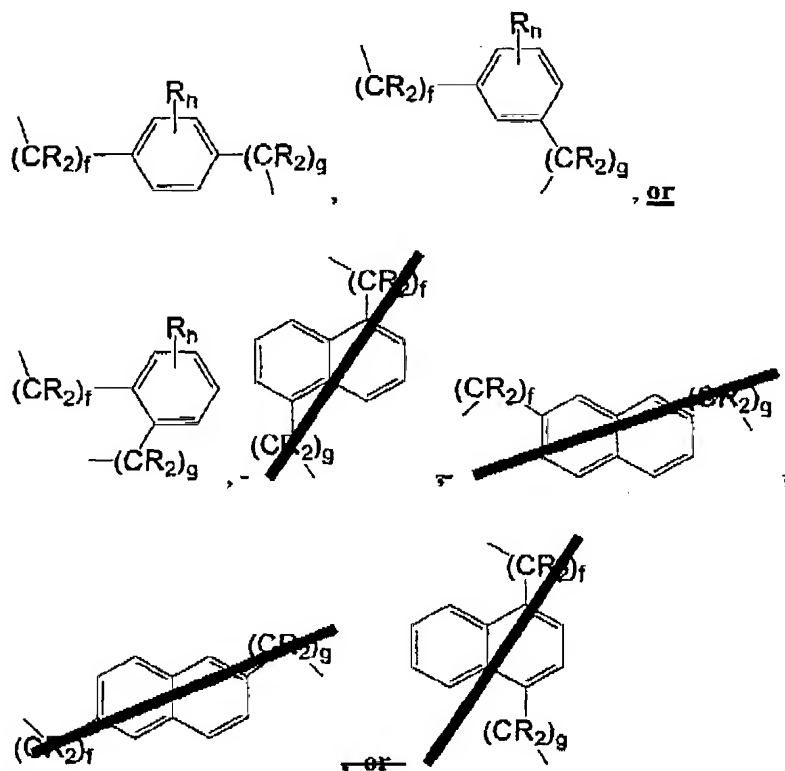
R' and R'' are each independently hydrogen, a C<sub>1</sub>-C<sub>5</sub> alkyl, C<sub>2</sub>-C<sub>5</sub> alkenyl, C<sub>2</sub>-C<sub>5</sub> alkynyl, or aryl group, or R' and R'' taken together are a benzylidene group or a -(CH<sub>2</sub>)<sub>2</sub>O(CH<sub>2</sub>)<sub>2</sub>- group.

17. (original) The method according to claim 5, wherein each of said R<sup>a1</sup>, R<sup>b1</sup>, R<sup>c1</sup>, R<sup>a2</sup>, R<sup>b2</sup>, and R<sup>c2</sup> groups is a hydrogen, hydroxy group, a substituted or unsubstituted C<sub>1</sub>-C<sub>8</sub> alkyl or C<sub>1</sub>-C<sub>8</sub> alkoxy group.
18. (original) The method according to claim 5, wherein each of said R<sup>a1</sup>, R<sup>b1</sup>, R<sup>c1</sup>, R<sup>a2</sup>, R<sup>b2</sup>, and R<sup>c2</sup> groups is an aromatic group or heteroaromatic group.
19. (currently amended) The method according to claim 5, wherein each of said R<sup>a1</sup>, R<sup>b1</sup>, R<sup>c1</sup>, R<sup>a2</sup>, R<sup>b2</sup>, and R<sup>c2</sup> groups is a ~~R<sup>3</sup> group as defined in claim 9~~ hydrogen, substituted or unsubstituted straight or branched alkyl, cycloalkyl, carbocyclic, aryl, heterocyclic, or heteroaryl group.
20. (original) The method according to claim 5, wherein each of said Y<sup>1</sup> and Y<sup>2</sup> groups is a linking moiety of less than about 75 molecular weight.
21. (original) The method according to claim 5, wherein said Y<sup>1</sup> and Y<sup>2</sup> groups is a direct bond.
22. (original) The method according to claim 6, wherein each of said R<sup>1</sup> and R<sup>2</sup> groups is independently a hydrogen, a substituted or unsubstituted C<sub>1</sub>-C<sub>8</sub> alkyl group, a substituted or unsubstituted C<sub>1</sub>-C<sub>8</sub> alkenyl group, a halogen, a substituted or unsubstituted aryl or heteroaryl group, a substituted or unsubstituted amino group, a nitro group, or a substituted or unsubstituted C<sub>1</sub>-C<sub>8</sub> alkoxy group.
23. (original) The method according to claim 6, wherein said M group is -[(CH<sub>2</sub>)<sub>5</sub>O]<sub>t</sub>(CH<sub>2</sub>)<sub>s</sub>-, where t is 1 to 6 and s is 2 to 6.

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24. (original) The method according to claim 6, wherein said M group is a phenylenedialkylene group.
25. (currently amended) The method according to claim 6, wherein said M arylenedialkylene group is



wherein each R group is independently a hydrogen or is ~~selected from the group Z as defined in claim 5, a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroarvl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(CR'R'')_{0-3}H$ ,  $(CR'R'')_{0-10}OH$ ,  $(CR'R'')_{0-10}COR'$ ,  $(CR'R'')_{0-10}(\text{substituted or unsubstituted phenyl})$ ,~~

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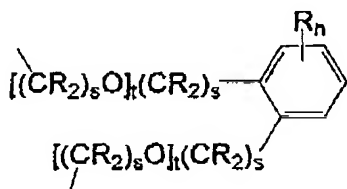
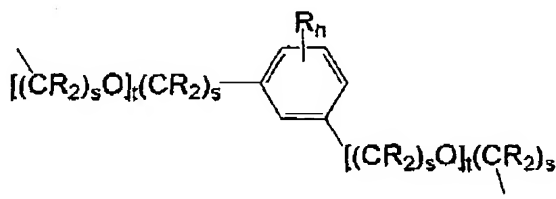
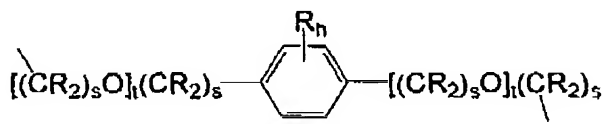
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(CR'R'')<sub>0-10</sub>(C<sub>3</sub>-C<sub>8</sub> cycloalkyl), (CR'R'')<sub>0-10</sub>CO<sub>2</sub>R', or (CR'R'')<sub>0-10</sub>OR' group, or the side chain of any naturally occurring amino acid; and

R' and R'' are each independently hydrogen, a C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, or aryl group, or R' and R'' taken together are a benzylidene group or a -(CH<sub>2</sub>)<sub>2</sub>O(CH<sub>2</sub>)<sub>2</sub>- group; and

1 ≤ f ≤ 8, 1 ≤ g ≤ 8, 0 ≤ h ≤ 4.

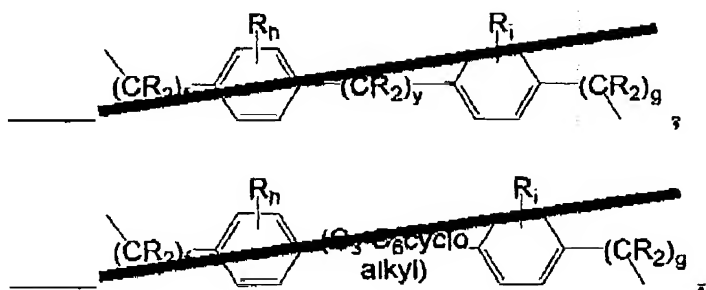
26. (original) The method according to claim 6, wherein said M group is a substituted or unsubstituted C<sub>2</sub>-C<sub>8</sub> alkylene group, a substituted or unsubstituted C<sub>1</sub>-C<sub>8</sub> alkenylene group, a substituted or unsubstituted C<sub>2</sub>-C<sub>8</sub> alkynylene group.
27. (currently amended) The method according to claim 6, wherein said M group is



wherein 1 ≤ t ≤ 6, 0 ≤ s ≤ 6, 0 ≤ h ≤ 4, and each R group is independently a hydrogen or is selected from the group Z as defined in claim 5; or

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wherein  $1 \leq x \leq 10$  (preferably  $1 \leq x \leq 4$ ),  $1 \leq y \leq 8$ ,  $1 \leq g \leq 8$ ,  $0 \leq h \leq 4$ , and  $0 \leq i \leq 4$ , and

each R group is independently a hydrogen or is selected from the group Z as defined in claim 5: a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(CR'R'')_{0-3}H$ ,  $(CR'R'')_{0-10}OH$ ,  $(CR'R'')_{0-10}COR'$ ,  $(CR'R'')_{0-10}(\text{substituted or unsubstituted phenyl})$ ,  $(CR'R'')_{0-10}(C_3-C_8 \text{ cycloalkyl})$ ,  $(CR'R'')_{0-10}CO_2R'$ , or  $(CR'R'')_{0-10}OR'$  group, or the side chain of any naturally occurring amino acid; and

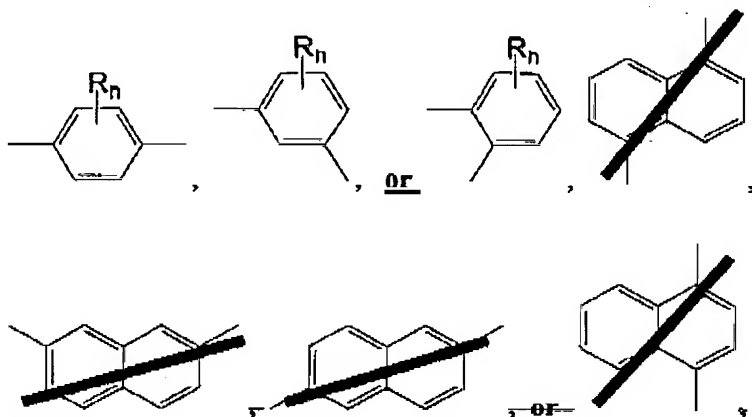
$R'$  and  $R''$  are each independently hydrogen, a  $C_1-C_5$  alkyl,  $C_2-C_5$  alkenyl,  $C_2-C_5$  alkynyl, or aryl group, or  $R'$  and  $R''$  taken together are a benzylidene group or a  $-(CH_2)_2O(CH_2)_2-$  group.

- 28. (cancelled).
- 29. (cancelled).
- 30. (cancelled).

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31. (currently amended) The method according to claim 6, wherein said M group is



wherein each R group is independently a hydrogen or is ~~selected from the group Z defined in claim 5,~~ a substituted or unsubstituted moiety selected from straight or branched alkyl, cycloalkyl, alkoxy, thioalkyl, alkenyl, alkynyl, heterocyclic, carbocyclic, aryl, aryloxy, aralkyl, aryloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group,  $(CR'R'')_{0-10}NR'R''$ ,  $(CR'R'')_{0-10}CN$ ,  $NO_2$ , halogen,  $(CR'R'')_{0-10}C(halogen)_3$ ,  $(CR'R'')_{0-10}CH(halogen)_2$ ,  $(CR'R'')_{0-10}CH_2(halogen)$ ,  $(CR'R'')_{0-10}CONR'R''$ ,  $(CR'R'')_{0-10}(CNH)NR'R''$ ,  $(CR'R'')_{0-10}S(O)_{1-2}NR'R''$ ,  $(CR'R'')_{0-10}CHO$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(O)_{0-3}R'$ ,  $(CR'R'')_{0-10}O(CR'R'')_{0-10}H$ ,  $(CR'R'')_{0-10}S(CR'R'')_{0-3}H$ ,  $(CR'R'')_{0-10}OH$ ,  $(CR'R'')_{0-10}COR'$ ,  $(CR'R'')_{0-10}(\text{substituted or unsubstituted phenyl})$ ,  $(CR'R'')_{0-10}(C_3-C_8 \text{ cycloalkyl})$ ,  $(CR'R'')_{0-10}CO_2R'$ , or  $(CR'R'')_{0-10}OR'$  group, or the side chain of any naturally occurring amino acid; and

R' and R'' are each independently hydrogen, a C<sub>1</sub>-C<sub>5</sub> alkyl, C<sub>2</sub>-C<sub>5</sub> alkenyl, C<sub>2</sub>-C<sub>5</sub> alkynyl, or aryl group, or R' and R'' taken together are a benzylidene group or a  $-(CH_2)_2O(CH_2)_2-$  group; and

$0 \leq h \leq 4$ .

32. (cancelled).

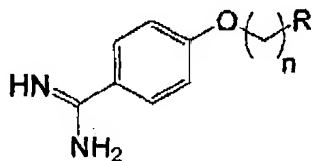
33. (cancelled).



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34. (cancelled).
35. (cancelled).
36. (cancelled).
37. (original) The method according to claim 2, wherein  $m=1$ ,  $n=0, 1$ , or  $2$ ,  $p=0, 1$ , or  $2$ , and  $q=1$ .
38. (original) The method according to claims 5, wherein  $R^{a1}=R^{a2}$ ,  $R^{b1}=R^{b2}$ ,  $R^{c1}=R^{c2}$ ,  $m=q$ ,  $n=p$ , and  $Y^1=Y^2$ .
39. (original) The method according to claim 6, wherein  $R^1=R^2$ , and  $X^1=X^2$ .
40. (original) The method according to claim 5, wherein said pharmaceutically acceptable salt is a hydrohalide salt or a 2-hydroxyethanesulfonate salt.
41. (cancelled).
42. (currently amended) A pharmaceutical composition for ~~the treatment of~~ for treating or preventing an amyloid-related disease comprising a compound according to claim 5.
43. (currently amended) The method according to claim 5, wherein said linking moiety is  $-(CH_2)_n-$  (wherein  $n$  is 1, 2, or 3),  $-NR^3-$  ~~wherein  $R^3$  is as defined in claim 9~~,  $-NH-$ ,  $-S-$ ,  $-O-$ ,  $-NH-CH_2-$ , or  $-CH=CH-$ , or combinations thereof; wherein  $R^3$  is selected from the group consisting of hydrogen, substituted or unsubstituted straight or branched alkyl, cycloalkyl, carbocyclic, aryl, heterocyclic, and heteroaryl.
44. (currently amended) A chemical compound according to the formula:



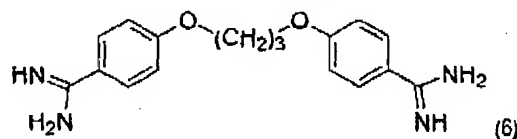
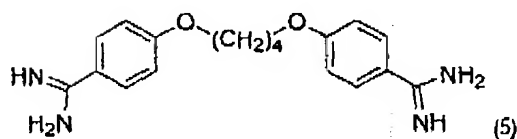
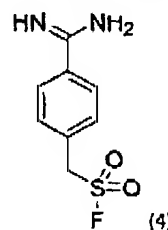
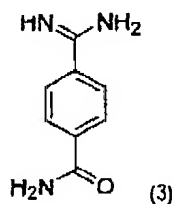
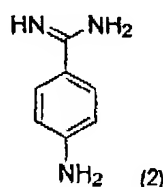
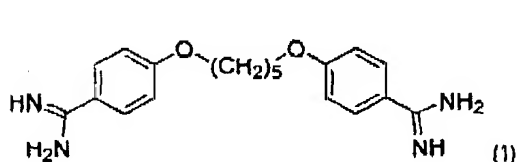
wherein  $n$  is an integer integer from 7 to 10, and  $R$  is Br or  $CO_2H$ , and pharmaceutically acceptable salts thereof.

45. (cancelled).

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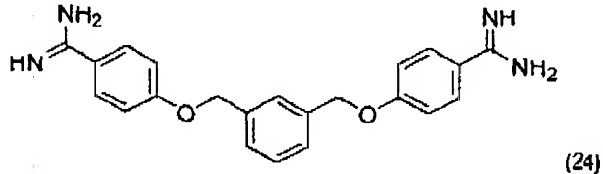
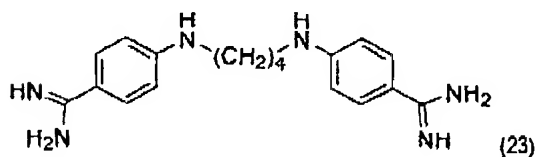
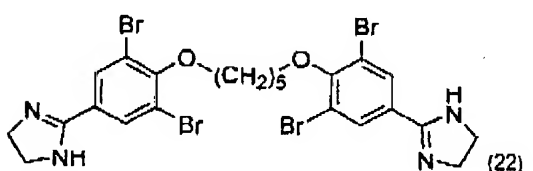
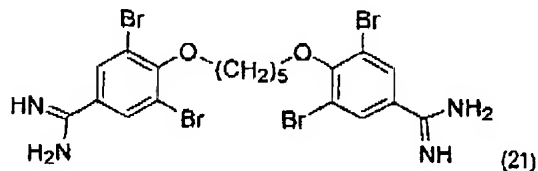
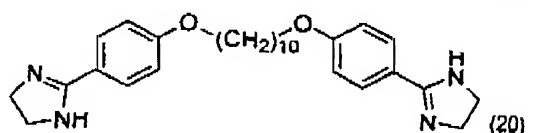
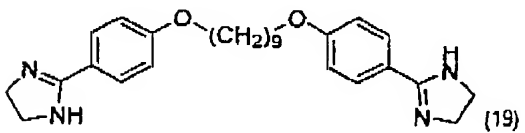
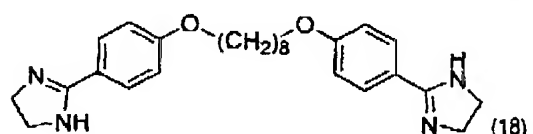
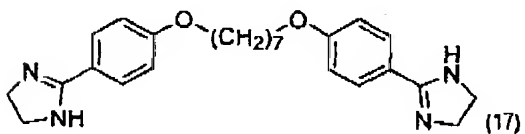
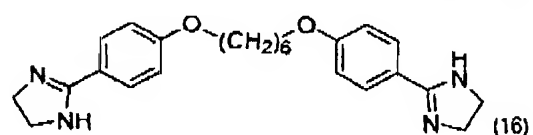
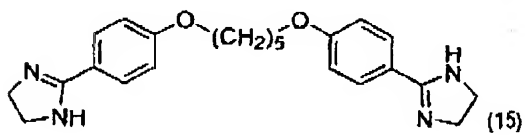
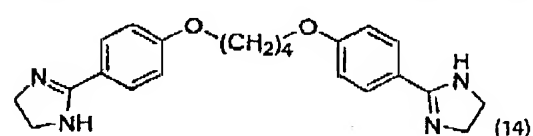
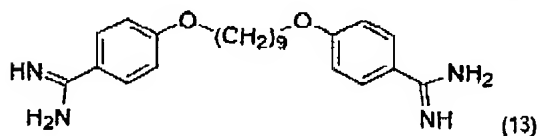
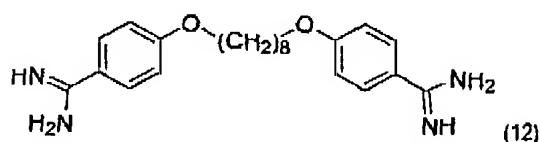
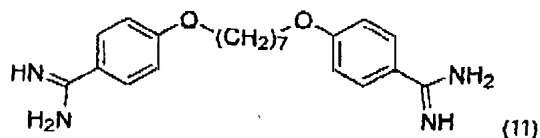
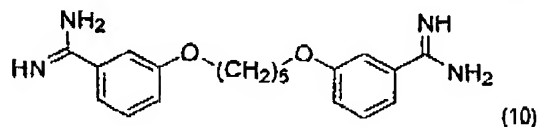
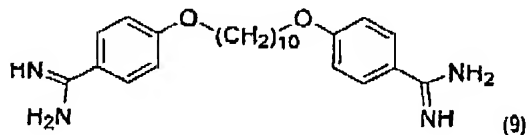
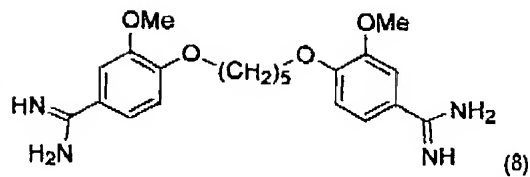
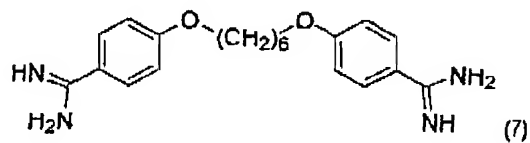
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46. **(currently amended)** A pharmaceutical composition for treating or preventing an amyloid-related disease comprising a therapeutically effective amount of a chemical compound according to claim 44.
47. **(original)** The method of claim 1, wherein said amidine compound causes in an Alzheimer's patient a stabilization of cognitive function, prevention of a further decrease in cognitive function, or prevention, slowing, or stopping of disease progression.
48. **(currently amended)** The method according to claim 5, wherein Z is a substituted or unsubstituted moiety selected from straight or branched C<sub>1</sub>-C<sub>5</sub> alkyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> thioalkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, heterocyclic, carbocyclic, phenyl, phenoxy, benzyl, phenyloxyalkyl, arylacetamidoyl, alkylaryl, heteroaralkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, or heteroaryl group, -NH<sub>2</sub>, -CN, NO<sub>2</sub>, F, Cl, Br, I, -CF<sub>3</sub>, (CR'R'')<sub>0-3</sub>CONR'R'', (CR'R'')<sub>0-3</sub>(CNH)NR'R'', (CR'R'')<sub>0-3</sub>S(O)<sub>1-2</sub>NR'R'', (CR'R'')<sub>0-3</sub>CHO, (CR'R'')<sub>0-3</sub>O(CR'R'')<sub>0-3</sub>H, -SO<sub>3</sub>H, -CH<sub>2</sub>OCH<sub>3</sub>, -OCH<sub>3</sub>, -SH, -SCH<sub>3</sub>, -OH, (CR'R'')<sub>0-3</sub>COR', (CR'R'')<sub>0-3</sub>(substituted or unsubstituted phenyl), (CR'R'')<sub>0-3</sub>(C<sub>3</sub>-C<sub>8</sub> cycloalkyl), -CO<sub>2</sub>H, or (CR'R'')<sub>0-3</sub>OR' group.
49. **(new)** The method according to claim 1, wherein said compound is selected from the group consisting of



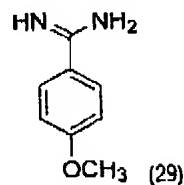
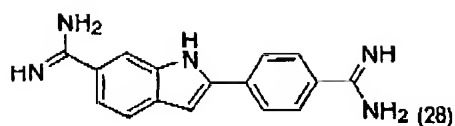
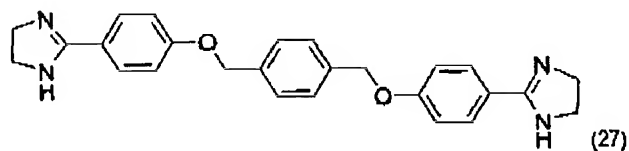
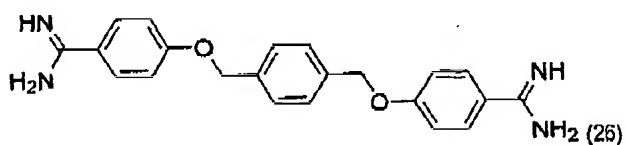
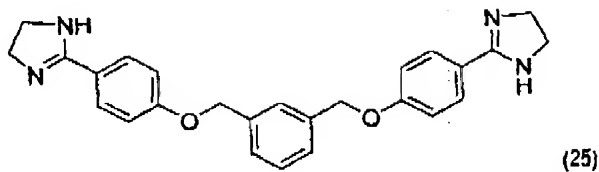
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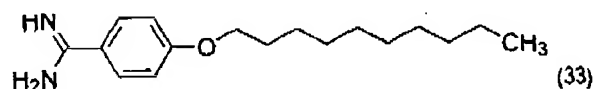
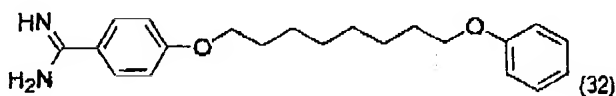
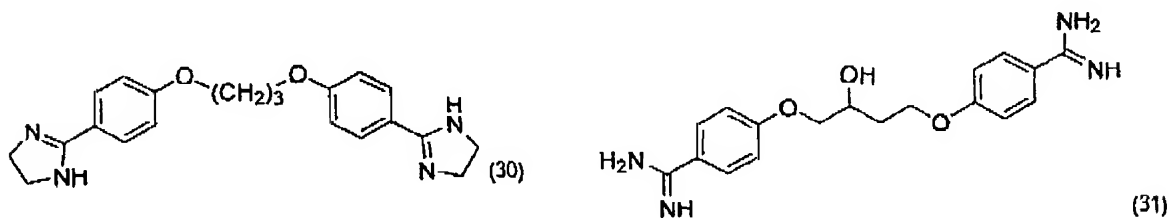
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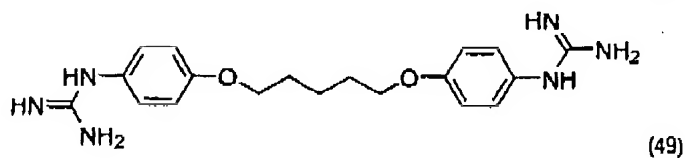
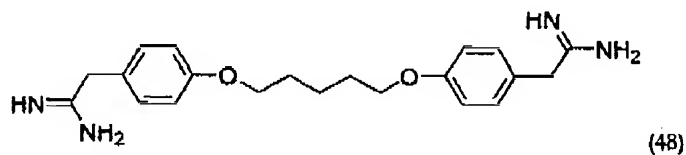
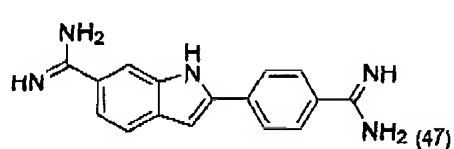
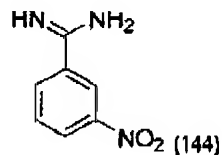
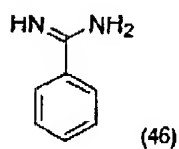
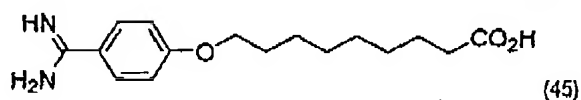
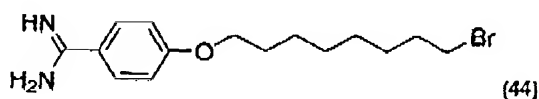
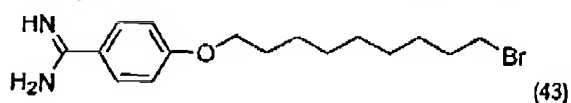
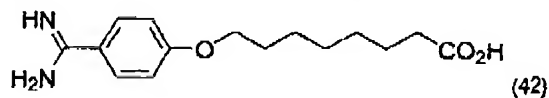
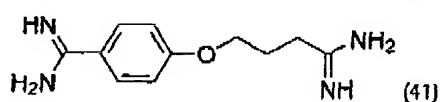
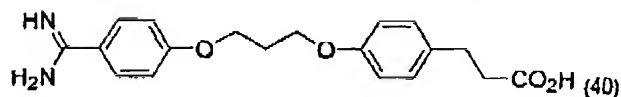
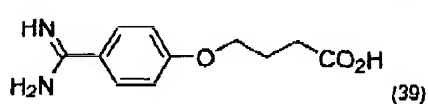
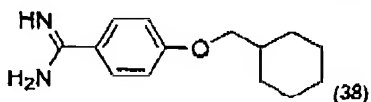
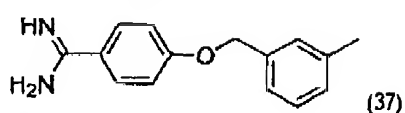
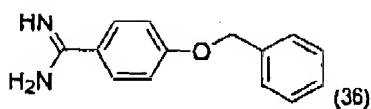
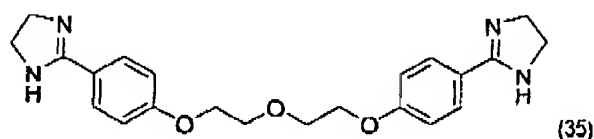
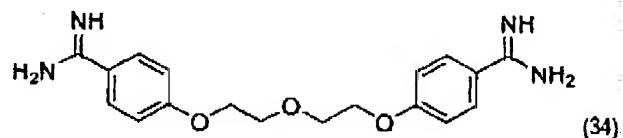
and pharmaceutically acceptable salts thereof.

50. (new) The method according to claim 1, wherein said compound is selected from the group consisting of



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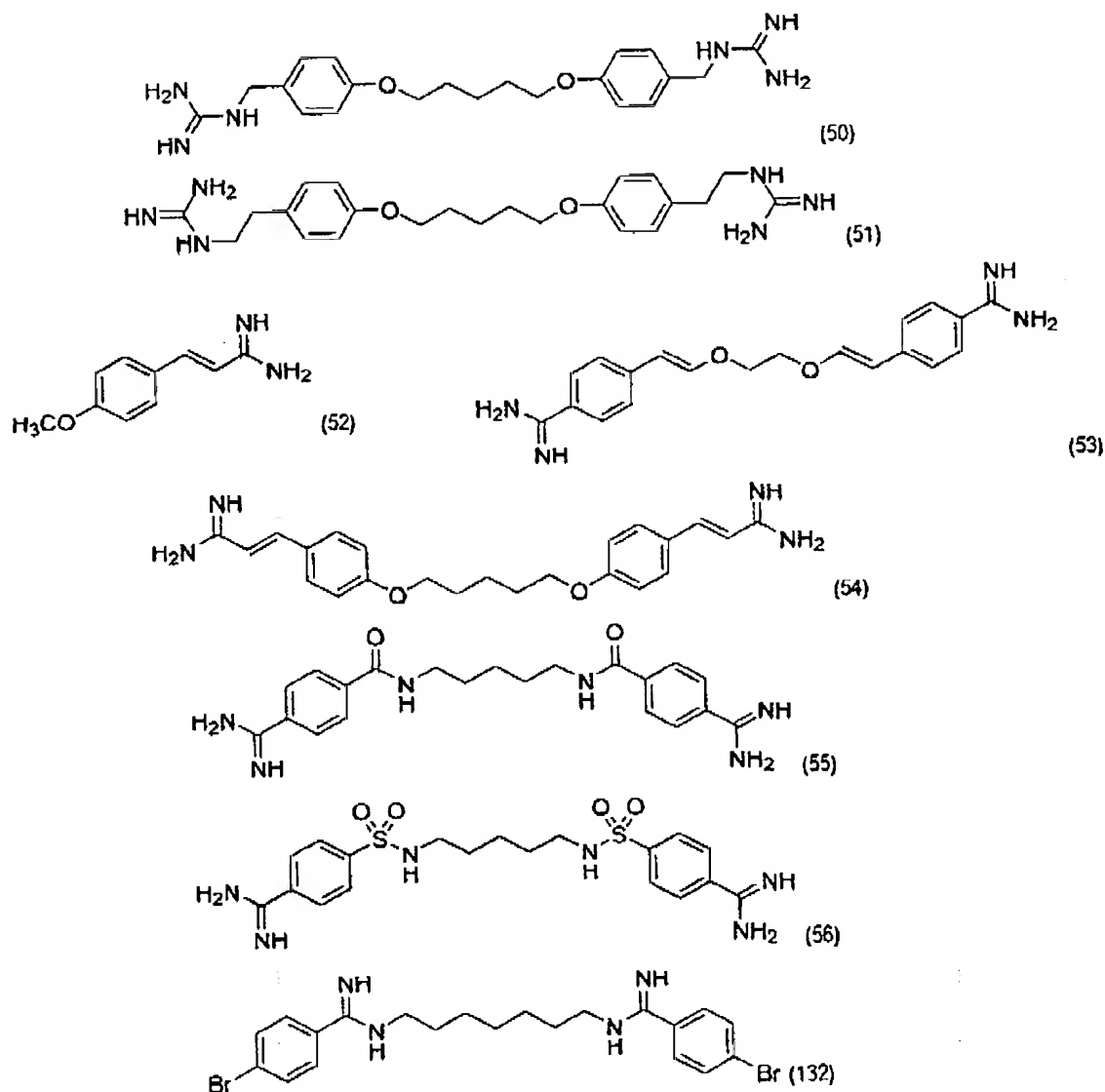


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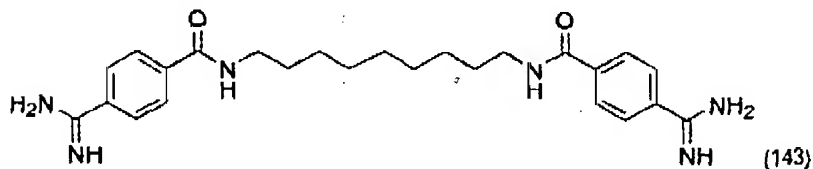
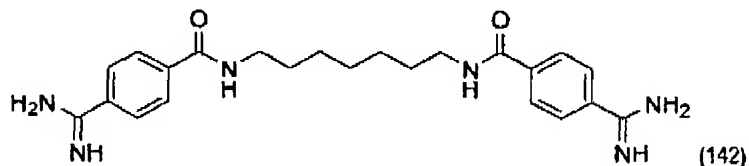
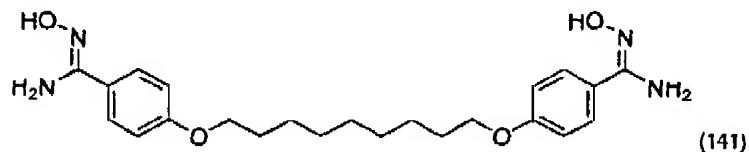
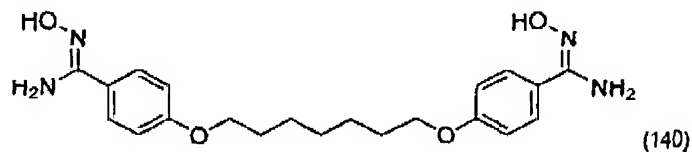
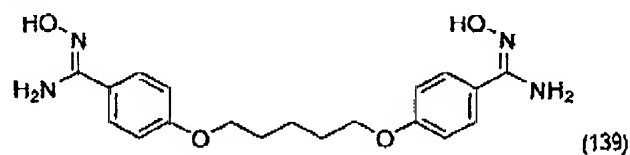
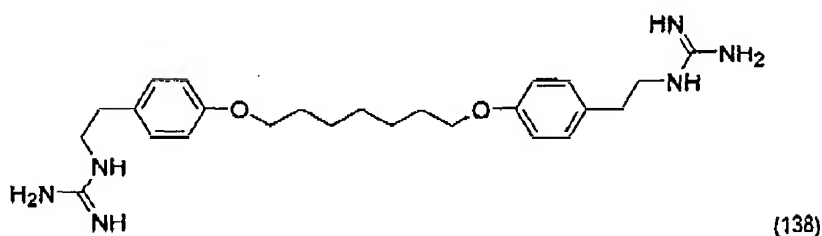
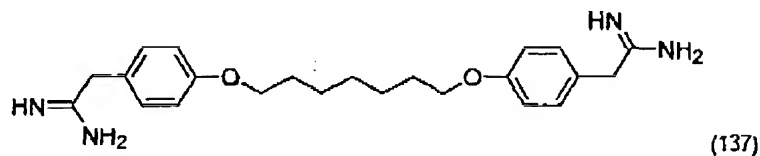
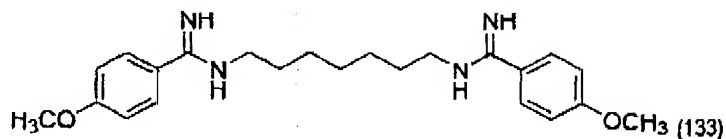
and pharmaceutically acceptable salts thereof.

51. (new) The method according to claim 1, wherein said compound is selected from the group consisting of



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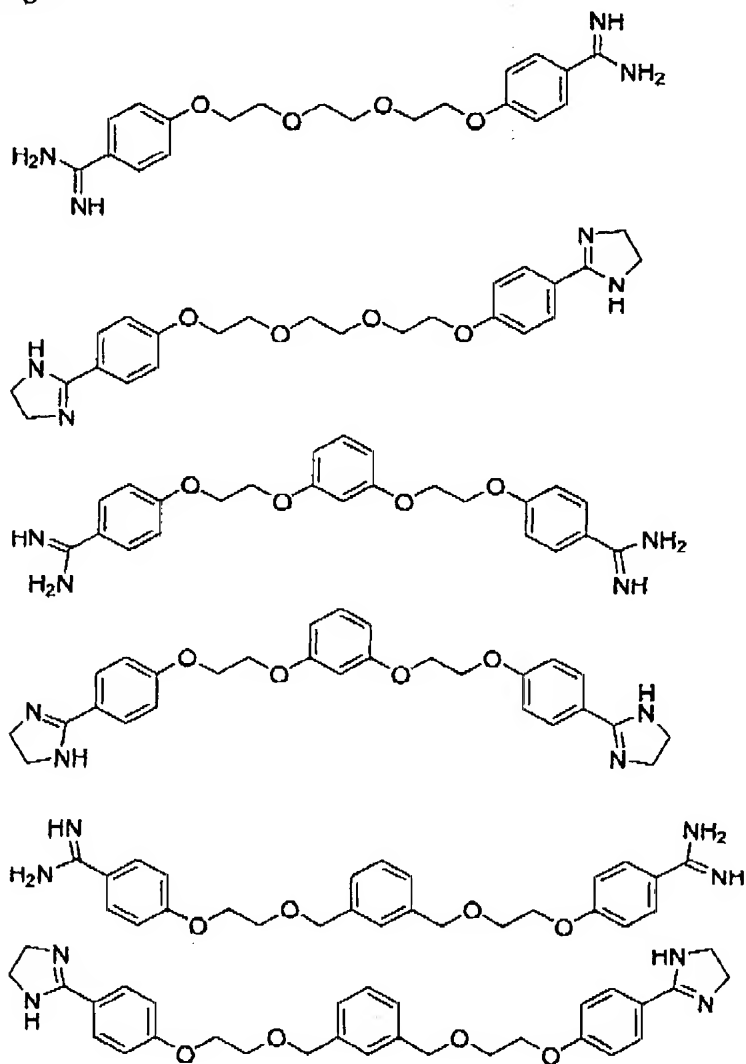


and pharmaceutically acceptable salts thereof.

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52. (new) The method according to claim 1, wherein said compound is selected from the group consisting of



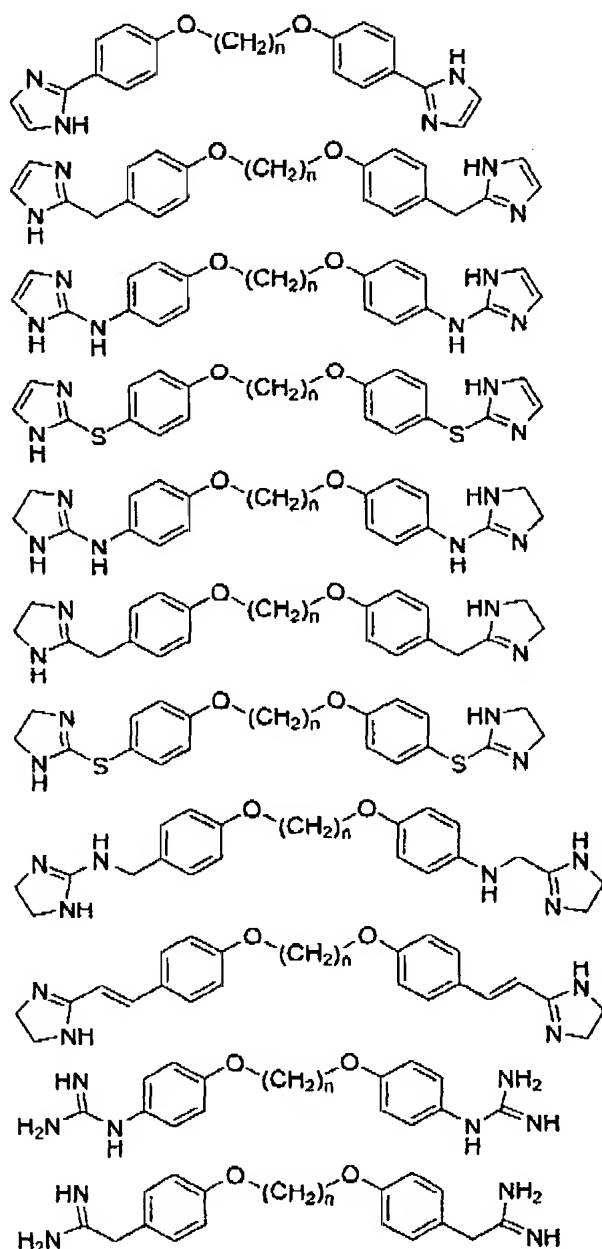
and pharmaceutically acceptable salts thereof.



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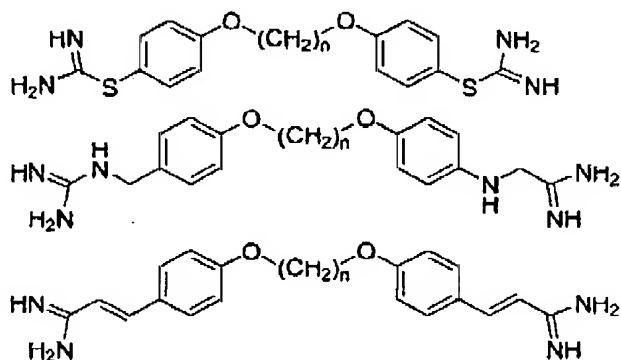
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53. (new) The method according to claim 1, wherein said compound is selected from the group consisting of



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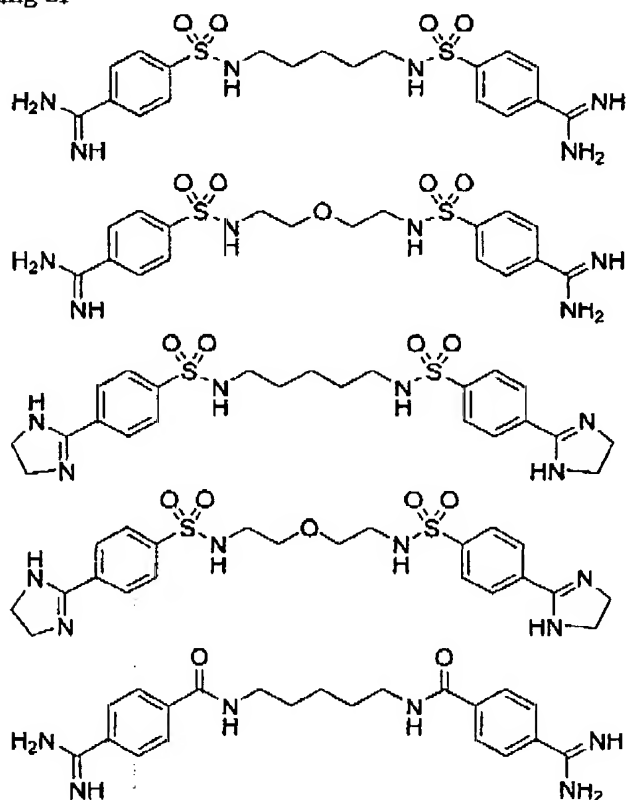
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wherein n is an integer from 1 to 12,

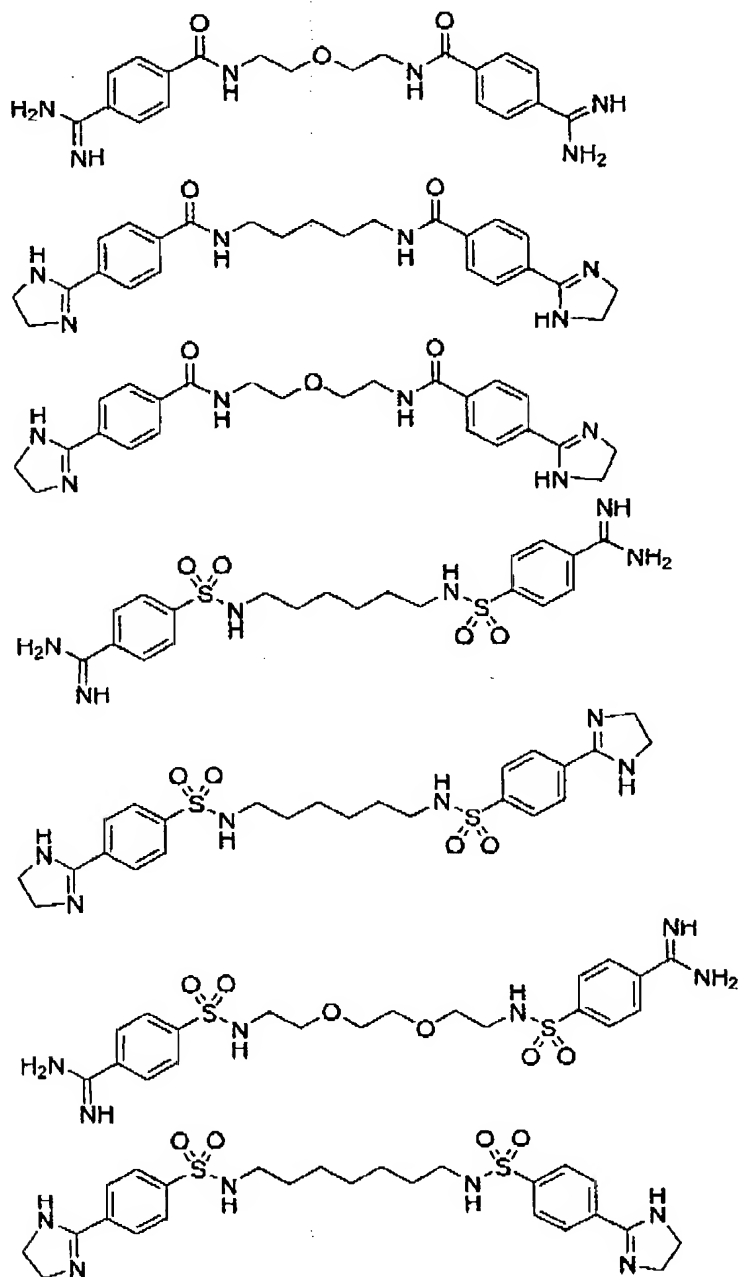
and pharmaceutically acceptable salts thereof.

54. (new) The method according to claim 1, wherein said compound is selected from the group consisting of



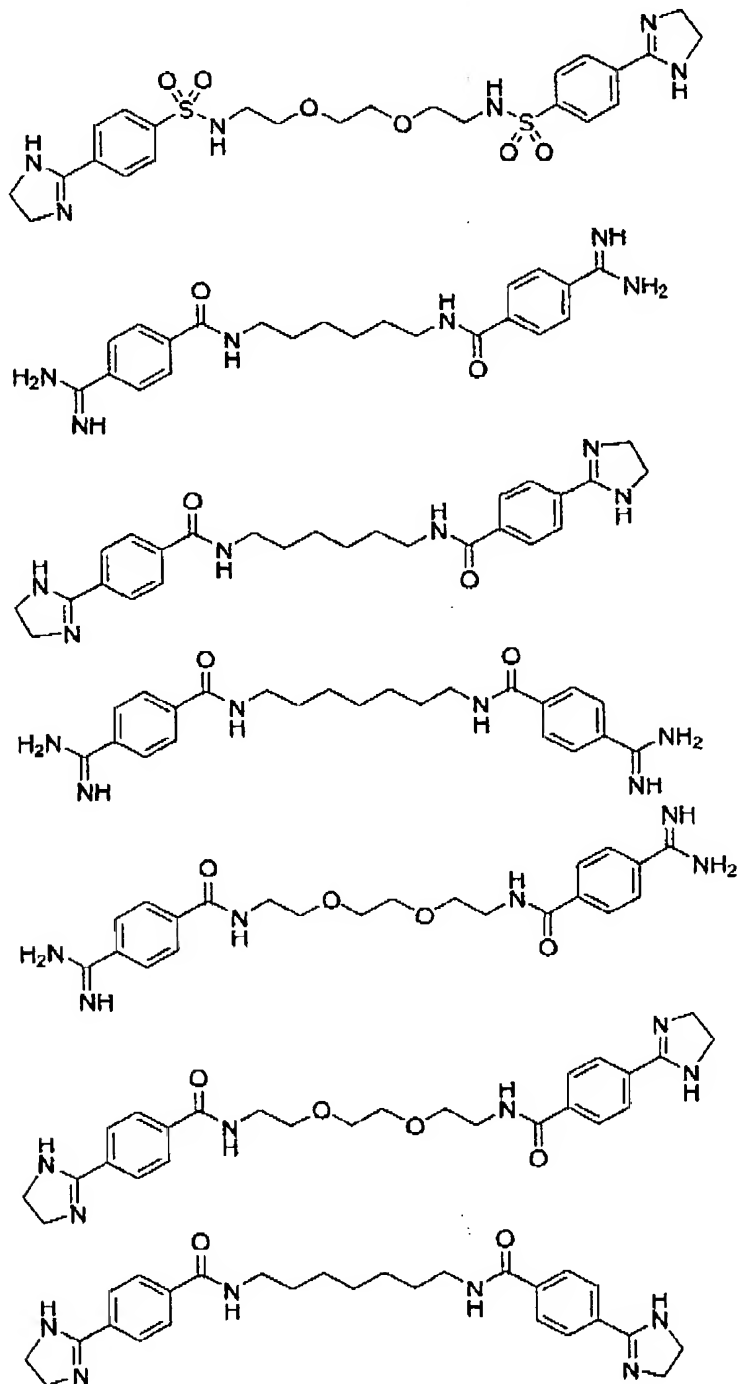
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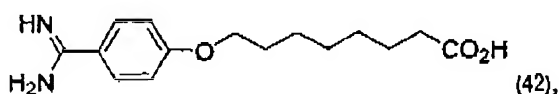


and pharmaceutically acceptable salts thereof.

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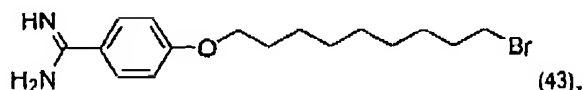
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55. (new) The method according to claim 1, wherein said compound is used therapeutically or prophylactically to treat a human in need thereof.
56. (new) The method according to claim 5, wherein said compound reduces or inhibits amyloid fibril formation or deposition, neurodegeneration, or cellular toxicity.
57. (new) A chemical compound having the following structure:



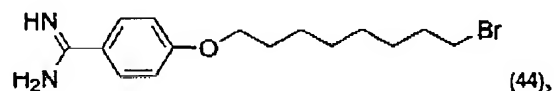
and pharmaceutically acceptable salts thereof.

58. (new) A chemical compound having the following structure:



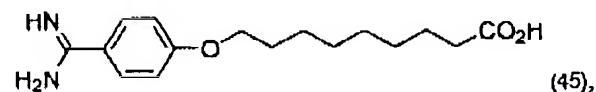
and pharmaceutically acceptable salts thereof.

59. (new) A chemical compound having the following structure:



and pharmaceutically acceptable salts thereof.

60. (new) A chemical compound having the following structure:



and pharmaceutically acceptable salts thereof.

61. (new) A pharmaceutical composition for treating or preventing an amyloid-related disease comprising a therapeutically effective amount of a chemical compound according to claim 44.